RESPONSE TO REQUIREMENT FOR INFORMATION

AND AMENDMENT UNDER 37 C.F.R. § 1.111

Application No.: 10/715,600

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

Attorney Docket No.: 078466

## LISTING OF CLAIMS:

1. (currently amended): An ink jet recording sheet comprising a colorant receiving layer disposed on a substrate, wherein the colorant receiving layer comprises fine particles, a water soluble resin, and a cationic resin including a unit represented by the following formula (1) and optionally a cationic resin including a unit represented by the following formula (2):

## Formula (1)

$$(-CH_2C-)_m$$

$$V-R_4-\overset{\bullet}{\underset{R_3}{\bigvee}} \overset{R_1}{\underset{R_2}{\bigvee}}$$

## Formula (2)

$$(-CH_2C-)_p$$
  $(-Z-)_q$   
 $Y-R_3-\overset{*}{N}_{R_6}$   $\overset{R_5}{X^-}$ 

wherein in the formula (1), R represents a hydrogen atom or a methyl group; Y represents a divalent linking group; R<sub>1</sub> represents an optionally substituted aralkyl or aryl group; R<sub>2</sub> and R<sub>3</sub> each independently represent an optionally substituted alkyl, aralkyl or aryl group having 1 to 18 carbon atoms; R<sub>4</sub> represents an optionally substituted alkylene, aralkylene or arylene group; Q is at least one unit provided from a monomer having an ethylenic double bond, and represents a unit having an inorganic/organic ratio (I/O value) of less than 1 in an organic conceptional chart;

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X represents an anion; m represents 20 to 100% by mole; and n represents 0 to 80% by mole;

and

in the formula (2), R represents a hydrogen atom or a methyl group; Y represents a

divalent linking group; R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> each independently represent an optionally substituted

alkyl group having 1 to 18 carbon atoms; R<sub>8</sub> represents an optionally substituted alkylene,

aralkylene or arylene group; Z is at least one unit provided from an aromatic group-containing

monomer having an ethylenic double bond, and represents a unit having less than 0.5 of an

inorganic/organic ratio (I/O value) in the organic conceptional chart; X represents an anion; p

represents 20 to 80% by mole; and q represents 20 to 80% by mole,

wherein the monomer that provides the unit represented by Q or Z in the formula (1) or

(2), respectively, is styrene or vinyl toluene, the monomer that provides the unit represented by Z

in the formula (2) is styrene or vinyl toluene, and the I/O value of the cationic resin represented

by the formula (1) or (2) is not more than 2 with a cation equivalent of at least 1.5 meq/g or more

and no more than 4 meq/g, and the I/O value of the cationic resin represented by formula (2) is

not more than 2 with a cation equivalent of at least 1.5 meg/g or more and no more than 4 meg/g.

2. (canceled).

3. (original): An ink jet recording sheet according to claim 1, wherein the colorant

receiving layer comprises a cationic resin including the unit represented by the formula (2).

4-5. (canceled).

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6. (original): An ink jet recording sheet according to claim 1, wherein the fine particles

are at least one selected from silica fine particles, colloidal silica, alumina fine particles and

pseudo-boehmite.

7. (original): An ink jet recording sheet according to claim 1, wherein the water soluble

resin is at least one selected from polyvinyl alcohol resins, cellulose resins, resins having ether

bonds, resins having carbamoyl groups, resins having carboxyl groups and gelatin.

8. (original): An ink jet recording sheet according to claim 1, wherein the colorant

receiving layer comprises a cross-linking agent capable of cross-linking the water soluble resin.

9. (original): An ink jet recording sheet according to claim 1, wherein the colorant

receiving layer further comprises a dye mordant.

10. (currently amended): An ink-jet recording sheet according to claim 1, wherein the

colorant receiving layer is obtained by hardening-by crosslinking a coated layer prepared by

coating the substrate with a coating liquid containing at least the fine particles, the water soluble

resin, and a cationic resin including a unit represented by the formula (1) and optionally a

cationic resin including a unit represented by the formula (2), and

the coated layer is hardened by cross-linking by adding a cross-linking agent to at least

one of the coating liquid and a basic solution having a pH value of at least 8, and by applying the

basic solution to the coated layer (1) at the same time as when the coated layer is formed by

applying the coating liquid or (2) during the process for drying the coated layer formed by

applying the coating liquid, and before the coated layer exhibits a falling rate of drying.

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